A Packaged Single Zone system is modeled with supplemental Indirect Evaporative Cooling. This test is used to verify the proper upsizing of an undersized cooling system, as well as to ensure that the evaporative cooling is not upsized. This test is also used to verify the correct accounting of supplemental energy associated with the evaporative cooling process, and the implementation of the indirect cooling algorithms.

Test O92A11: Building Prototype A - Climate Zone 11 - Redding

A Standalone Indirect/Direct Evaporative Cooler is modeled with no supplemental air conditioning proposed. This test is used to verify the correct selection of the standard HVAC system and the ability of the ACM to create the proper cooling system which functions with the evaporative cooling system as a supplement to mechanical cooling. This test is also used to verify the correct implementation of the Indirect/Direct evaporative cooling algorithms.

Test O93A12: Building Prototype A - Climate Zone 12 - Roseville

A Standalone Indirect/Direct Evaporative Cooler is modeled with no supplemental air conditioning proposed. This test is the same as Test 092A11 except modeled in a different city with a milder cooling climate where the evaporative cooler alone may be sufficient. This test is used to verify the correct selection of the standard HVAC system and the ability of the ACM to determine the need for the proper cooling system which functions with the evaporative cooling system as a supplement to mechanical cooling and create it if needed.

Test O94A13: Building Prototype A - Climate Zone 13 - Fresno

A Standalone Indirect/Direct Evaporative Cooler is modeled with no supplemental air conditioning proposed. This test is the same as Test 092A11 except modeled in a different city with a milder cooling climate where the evaporative cooler alone may be sufficient. This test is used to verify the correct selection of the standard HVAC system and the ability of the ACM to determine the need for the proper cooling system which functions with the evaporative cooling system as a supplement to mechanical cooling and create it if needed.

CHAPTER 6. Vendor Requirements

Each ACM vendor must meet all of the following requirements as part of the ACM approval process and as part of an ongoing commitment to users of their particular program.

6.1 Availability to Commission

All ACM vendors are required to submit at least one fully working program version of the ACM to the California Energy Commission. An updated copy or access to the approved version of the ACM must be kept by the Commission to maintain approval for compliance use of the ACM.

The Commission agrees not to duplicate the ACM except for the purpose of analyzing it, for verifying building compliance with the ACM, or to verify that only approved versions of the ACM are used for compliance.

6.2 Building Department Support

ACM vendors must provide a copy of the ACM Compliance Supplement (or ACM Compliance User's Manual) to all local building enforcement agencies who request one in writing.

6.3 User Support

ACM vendors must offer support to their users with regard to the use of the ACM for compliance purposes. Vendors may charge a fee for user support.

6.4 ACM Vendor Demonstration

The Commission may request ACM vendors to physically demonstrate their program's capabilities. One or more demonstrations may be requested before approval is granted.